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Runhua Chen ?

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Amazon Inc., USA

Publication Topics

5G New Radio, Beam Measurements, Control Channel, Multiple-input Multiple-output, Reference Signal, User Equipment, 5G Systems, Antenna Array, Base Station, Beam Management, Beam Quality, Carrier Frequency, Cellular Technology, Channel Estimation, Channel Reciprocity, Data

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Biography

Runhua Chen (runhuac@amazon.com) is a senior communication system design engineer with Devices & Services Group, Amazon Inc. He graduated with a Ph.D. degree in electrical engineering from the University of Texas, Austin, in 2007 and has been working on 4G/5G LTE/NR wireless system development and standardization. His past industry experiences include with Datang Telecom, Texas Instruments, and AT&T Laboratory, with focus on multi-antenna technology in 3GPP and WiMAX. *(Based on document published on 25 April 2022).*

Publications

8

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Co-Authors:

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☐ Practical channel acquisition for massive MIMO systems in LTE

Runhua Chen; Qiubin Gao; Hui Li; Rakesh Tamrakar; Shaohui Sun
2015 International Conference on Computing, Networking and Communications (ICNC)
Year: 2015 | Conference Paper | Publisher: IEEE
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Practical channel acquisition for massive MIMO systems in LTE

Runhua Chen; Qiubin Gao; Hui Li; Rakesh Tamrakar; Shaohui Sun
2015 International Conference on Computing, Networking and Communications (ICNC)
Year: 2015 | Conference Paper | Publisher: IEEE

☐ Adaptive feedback rate control for massive MIMO system in LTE

Runhua Chen; Qiubin Gao; Hui Li; Shaohui Sun; Rakesh Tamrakar; Wenhong Chen
2015 IEEE 26th Annual International Symposium on Personal, Indoor, and Mobile Radio
Communications (PIMRC)
Year: 2015 | Conference Paper | Publisher: IEEE

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Publication Title	Adaptive feedback rate control for massive MIMO system in LTE Runhua Chen; Qiubin Gao; Hui Li; Shaohui Sun; Rakesh Tamrakar; Wenhong Chen 2015 IEEE 26th Annual International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC) Year: 2015 Conference Paper Publisher: IEEE	
Publisher		
Conference Location		
Publication Topics	☐ Codebook Design for Massive MIMO Systems in LTE Hui Li; Qiubin Gao; Runhua Chen; Rakesh Tamrakar; Shaohui Sun; Wenhong Chen 2016 IEEE 83rd Vehicular Technology Conference (VTC Spring) Year: 2016 Conference Paper Publisher: IEEE Cited by: Papers (1) Abstract HTML PDF CC Codebook Design for Massive MIMO Systems in LTE Hui Li; Qiubin Gao; Runhua Chen; Rakesh Tamrakar; Shaohui Sun; Wenhong Chen 2016 IEEE 83rd Vehicular Technology Conference (VTC Spring) Year: 2016 Conference Paper Publisher: IEEE	+ File Cabinet
	☐ A Hybrid Channel State Information Feedback Mechanism for Massive MIMO System Qiubin Gao; Fangchao Zhang; Runhua Chen; Wenhong Chen; Hui Li; Rakesh Tamrakar; Shaohui Sun 2016 IEEE 83rd Vehicular Technology Conference (VTC Spring) Year: 2016 Conference Paper Publisher: IEEE Abstract HTML PDF CC A Hybrid Channel State Information Feedback Mechanism for Massive MIMO System Qiubin Gao; Fangchao Zhang; Runhua Chen; Wenhong Chen; Hui Li; Rakesh Tamrakar; Shaohui Sun 2016 IEEE 83rd Vehicular Technology Conference (VTC Spring) Year: 2016 Conference Paper Publisher: IEEE	+ File Cabinet



- ☐
- Two-dimension CSI acquisition for massive MIMO systems**
Hui Li; Runhua Chen; Qiubin Gao; Rakesh Tamrakar; Shaohui Sun
2017 IEEE 28th Annual International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC)
Year: 2017 | Conference Paper | Publisher: IEEE
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Two-dimension CSI acquisition for massive MIMO systems

Hui Li; Runhua Chen; Qiubin Gao; Rakesh Tamrakar; Shaohui Sun
2017 IEEE 28th Annual International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC)
Year: 2017 | Conference Paper | Publisher: IEEE

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- Modular and High-Resolution Channel State Information and Beam Management for 5G New Radio**
Eko Onggosanusi; Md Saifur Rahman; Li Guo; Youngwoo Kwak; Hoondong Noh; Younsun Kim; Sebastian Faxer; Mark Harrison; Mattias Frenne; Stephen Grant; Runhua Chen; Rakesh Tamrakar; and Qiubin Gao
IEEE Communications Magazine
Year: 2018 | Volume: 56, Issue: 3 | Magazine Article | Publisher: IEEE
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Modular and High-Resolution Channel State Information and Beam Management for 5G New Radio

Eko Onggosanusi; Md Saifur Rahman; Li Guo; Youngwoo Kwak; Hoondong Noh; Younsun Kim; Sebastian Faxer; Mark Harrison; Mattias Frenne; Stephen Grant; Runhua Chen; Rakesh Tamrakar; and Qiubin Gao
IEEE Communications Magazine
Year: 2018 | Volume: 56, Issue: 3 | Magazine Article | Publisher: IEEE

- ☐
- A CSI acquisition approach for mmWave massive MIMO**
Shanzhi Chen; Qiubin Gao; Runhua Chen; Hui Li; Shaohui Sun; Zhengxuan Liu
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Year: 2019 | Volume: 16, Issue: 9 | Magazine Article | Publisher: IEEE
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Shanzhi Chen; Qiubin Gao; Runhua Chen; Hui Li; Shaohui Sun; Zhengxuan Liu

China Communications

Year: 2019 | Volume: 16, Issue: 9 | Magazine Article | Publisher: IEEE

☐ Enhanced Reliability and Capacity with Multi-TRP Transmission

Mostafa Khoshnevisan; Keeth Jayasinghe; Runhua Chen; Alexei Davydov; Li Guo

IEEE Communications Standards Magazine

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Enhanced Reliability and Capacity with Multi-TRP Transmission

Mostafa Khoshnevisan; Keeth Jayasinghe; Runhua Chen; Alexei Davydov; Li Guo

IEEE Communications Standards Magazine

Year: 2022 | Volume: 6, Issue: 1 | Magazine Article | Publisher: IEEE

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